NOTE: CarShow System is only compatible with vehicles equipped with Single-Disc SYNC systems

NOTICE OF INTENDED INSTALLATION AND USE

THE AUXILIARY VIDEO DISPLAY IS DISABLED WHEN THE VEHICLE'S PARKING BRAKE IS NOT ENGAGED

THE INSTALLER OF THIS PRODUCT MUST INSURE THE VIDEO DISABLE CONNECTION IS WORKING PROPERLY PRIOR TO DELIVERY OF THE VEHICLE.

IMPROPER INSTALLATION COULD DISTRACT THE DRIVER OR INTERFERE WITH SAFE OPERATION OF THE VEHICLE, WHICH COULD RESULT IN SERIOUS INJURY OR DEATH, AND COULD ALSO VIOLATE STATE AND/OR FEDERAL LAW.

CARSHOW ELECTRONICS DISCLAIMS ANY LIABILITY FOR ANY BODILY INJURY OR PROPERTY DAMAGE THAT MAY RESULT FROM ANY IMPROPER OR UNINTENDED INSTALLATION AND/OR USE.

	STOP Damage to the vehicle may occur Do not proceed until process has been completed
	CAUTION Process must be carefully observed in order to reduce the risk of damage to the accessory or vehicle
	CRITICAL Process must be carefully observed in order to ensure a quality installation
	TOOLS and EQUIPMENT Specific tools and equipment recommended for this process
	SAFETY RISK Observe safe practices, this process can be dangerous and there is a risk of personal injury
	TESTING and TROUBLESHOOTING Content specific testing and troubleshooting points

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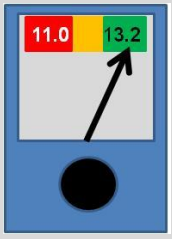
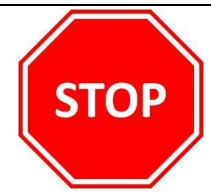
PREPARING FOR THE INSTALLATION **Before you start, please read these critical steps below**		STEP 1
BEFORE YOU START THE INSTALLATION, READ THIS GUIDE!		
CHECK THE BATTERY Test the battery voltage to make sure it's fully charged to a minimum of 12.8 VDC This only takes seconds and can save hours of troubleshooting later.		
TURN THE VEHICLE ***OFF*** Keep the Vehicle Off during the installation to avoid setting various Vehicle Fault sensors		
Keep the Vehicle OFF during the installation Failure to follow this may cause the AIRBAG FAULT SENSOR to become enabled. Dealer Service Departments charge a significant fee to reset the Fault Sensor. **Disconnect Negative Battery Terminal Before Starting!!**		
Tools Required For Installation: • Panel pry/removal tool • Various size Phillips screw drivers • 7mm Socket • T10 Torx		

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REMOVE CENTER CONSOLE COMPONENTS — STEP 2

Remove Shifter Trim Bezel

Carefully remove shift knob trim with panel pry tool

CAUTION

Remove Center Console

Carefully remove back of center console with panel pry tool and pull straight up as shown at right.
Be sure to disconnect all harnesses.

CAUTION

REMOVE THE FACTORY RADIO/SYNC DISPLAY — STEP 3

You will need to remove multiple interior trim components prior to removing the factory radio. The following steps will help guide you through this process.

OEM Radio

OEM radio shown at right

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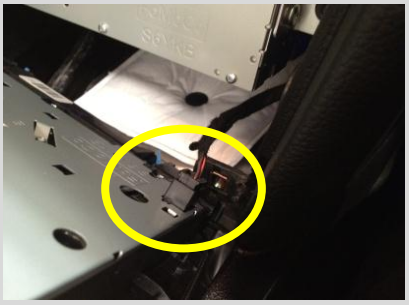
CarShow Installation Guide - Ford Mustang

Remove Radio Mounting Bolts Remove 7mm bolt on beneath climate controls on **right** hand side		
Remove Radio Mounting Bolts Remove 7mm bolt on beneath climate controls on **left** hand side		
Remove Radio Panel Use your panel pry-tool to carefully remove radio dash panel starting with **top**. Use extreme caution to not break plastic.		
Remove Radio Panel Then, carefully remove right hand side portion of radio panel. Use extreme caution to not break plastic.		
Unplug harness Carefully unplug data harness from back of radio panel		

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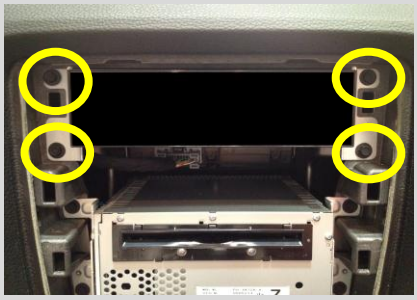
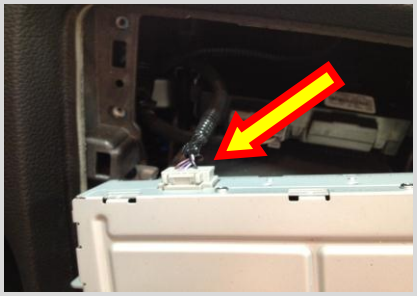
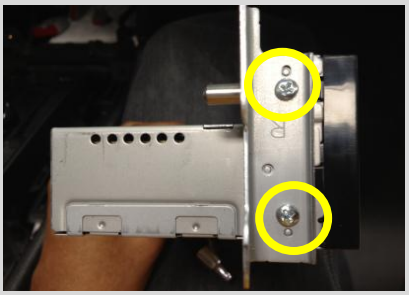
CarShow Installation Guide - Ford Mustang

Remove OEM Sync Display Remove 4 x 7mm bolts to remove Sync display		
Remove SYNC Display Carefully remove/unplug OEM SYNC display ****NOTE: Harness is *extremely* short so use caution!!****		
Unplug harness Carefully unplug data harness from back of Sync display.		
Remove Right SYNC Display Bracket Carefully remove 2 x phillips screws from **right** hand side mounting bracket		
Remove Left SYNC Display Bracket Carefully remove 2 x phillips screws from **left** hand side mounting bracket. Set SYNC display aside as it will be re-installed later.		

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AC Module Removal

NOTE: Removing this module is necessary to remove OEM Radio as it aids in the removal of harnesses at back of radio. The module also needs to be relocated **before** installation. (Shown in step 7)

The AC module is **EXTREMELY** fragile.

-Installer assumes all liability if AC module is damaged-

AC Module Removal

Carefully un-mount AC module by pulling up. Unplug harness. Use extreme caution.

Remove Radio Mounting Bolts

Remove 4 x 7mm radio mounting bolts

Remove OEM Radio Unit

Carefully remove oem radio unit

****NOTE: Harnesses are *extremely* short so use caution!!****

Unplug OEM Radio Unit

Carefully unplug radio harnesses, antenna and Sat Radio antenna from back of OEM radio unit.

****NOTE: Harnesses are *extremely* short so use caution!!****

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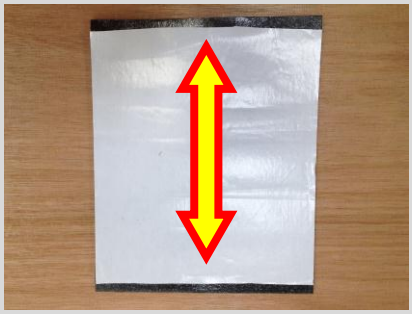
OEM Radio/SYNC Display Removed OEM Radio/SYNC display removed at right		✓

Preparing OEM SYNC Display You will need to prepare the OEM SYNC display to put back into dash. The following steps will help guide you through this process.		**STEP 4**
Locate Included Foam Piece Foam piece for OEM SYNC display is shown at right		✓
Cut Adhesive Backing Cut **½"** of adhesive backing at top and bottom as shown at right. **DO NOT** cut any more than ½" of adhesive backing!		! CRITICAL
Place SYNC Display On Foam Place display onto foam and be sure that it is lined up correctly as shown at right.		✓

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Wrap SYNC Display & AC module Wrap SYNC display & AC module in foam and be sure that they are lined up correctly as shown at right. Be sure that exposed adhesive is making contact with SYNC display. Set aside and continue to next step.		
Wrap SYNC display and AC module in included foam pieces. Use included zip ties to attach them together as shown.		

LOCATING REMOTE COMPONENTS You will need to mount the GPS Antenna on the exterior of the vehicle. The following steps will help guide you through this process.		**STEP 5**
Use Caution around SRS Components It is the **installer's responsibility** to ensure that the safety equipment in the vehicle is **NOT** adversely affected by installation of this system. Ensure that the routing of the harnesses do NOT obstruct airbags, SRS or other safety devices.		
Mount the GPS antenna in a location on the exterior of the Vehicle Route the GPS harness away from other power harnesses in the vehicle. This will help to ensure optimum performance of the GPS system.		

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OEM Radio Bezel Disassembly

You will need to disassemble the OEM radio bezel and prepare for re-install onto CarShow radio bezel

STEP 6

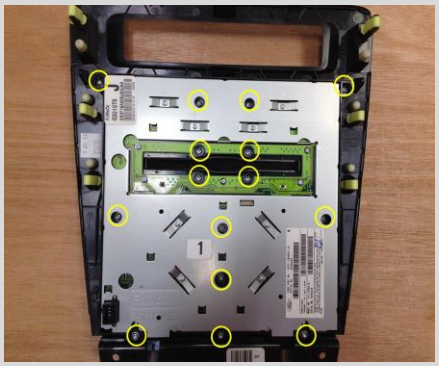
OEM and Rosen Bezel Preparation

OEM Radio Bezel on right

OEM Radio Face Assembly

Remove **15** x T10 torx screws to remove OEM Radio face Assembly. Screw locations highlighted in Yellow at right.

Be sure to place screws in a safe place as they will need to be re-installed.



OEM Radio Control Assembly

Radio Control assembly shown removed from Bezel at right.

OEM Radio Bezel Clips

Remove plastic yellow clips from OEM radio bezel and **relocate** onto Rosen radio bezel.

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Rosen Radio Bezel Re-install OEM Radio controls to CarShow radio bezel assembly using **13** x T10 OEM torx screws that were removed in previous step. **NOTE: 2 Screw holes shown in picture at right do NOT get screws re-inserted. They are left empty.**		
CarShow Radio Assembly Completed CarShow radio assembly at right		

INSTALL THE CARSHOW NAVIGATION SYSTEM You will need to prepare the CarShow Navigation System for installation in the vehicle.	**STEP 7**

Prepare the Vehicle side harnesses for connection to the CarShow Harness Use care not to pinch or damage cables as this will cause performance issues/failures		
Connect GPS Antenna The GPS Harness must be tightened with a WRENCH to ensure it is properly seated. **Failure to follow this step may result in poor GPS signal**		

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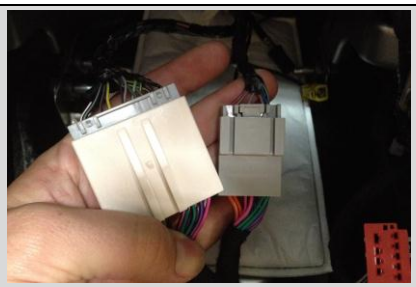
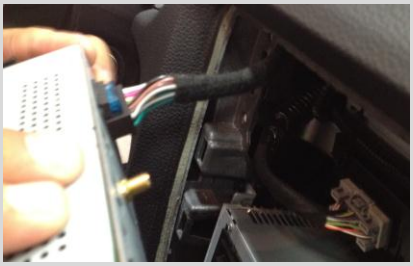
CarShow Installation Guide - Ford Mustang

Connect CarShow Harness Connect CarShow “T” harness to OEM harnesses. Use care not to pinch or damage cables as this will cause performance issues/failures		
Connect/Install OEM Radio Chassis Connect OEM Radio chassis to CarShow “T” harness. Be sure to connect AM/FM & Satellite Radio antennas. Use care not to pinch or damage cables as this will cause performance issues/failures		
Re-install OEM Display & AC Module Re-install SYNC display/OEM AC module in dash cavity **above** OEM radio. Connect OEM SYNC Display to OEM harness that goes to OEM AC Module NOTE: Be sure the harness is connected properly as SYNC system will not function properly unless connected.		
Connect the Power Harnesses Be sure harness has secure connection to ensure proper performance		
Radio Face Assembly Connect radio Face/climate control assembly harness. Be sure all connectors are securely connected.		

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Snap Radio Face Assembly Into Place

Carefully snap radio face assembly into place. Then, with the connectors Fully Engaged, turn the vehicle on and verify system powers up.

ENABLE INSTALLER SETTINGS

STEP 9

You will need to select certain settings based on any Optional Equipment that you may have installed

Launch the Setting Screen

From the AM/FM screen, select “Settings” in the upper left hand corner

Select the individual Settings as needed for the installed components

Selectable options vary by product and installation. Select the options as applicable for the installed optional components.

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Perform Pre-Delivery Tests

You will need to perform several Pre-Delivery Tests to ensure customer satisfaction
Some optional equipment may not be applicable

STEP 10

Turn the vehicle ON and System ON

Confirm the unit starts up properly

Troubleshooting

1) Reset the System while the Vehicle is ON
2) Confirm all connectors are properly installed
3) Check the Vehicle and System Fuses

Select RADIO as the Source

Select SATELLITE RADIO as the Source

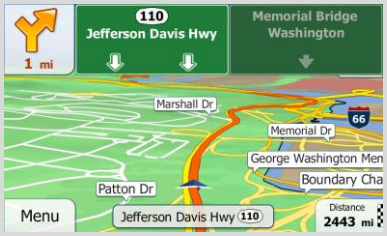
Select Phone as the Source

Select NAV as the Source

Confirm the Navigation loads and signal strength is OK

Troubleshooting

1) Confirm the antenna has an unobstructed view of the sky
2) Confirm the antenna is located on the outside of the vehicle
3) Confirm the antenna connection is properly tightened



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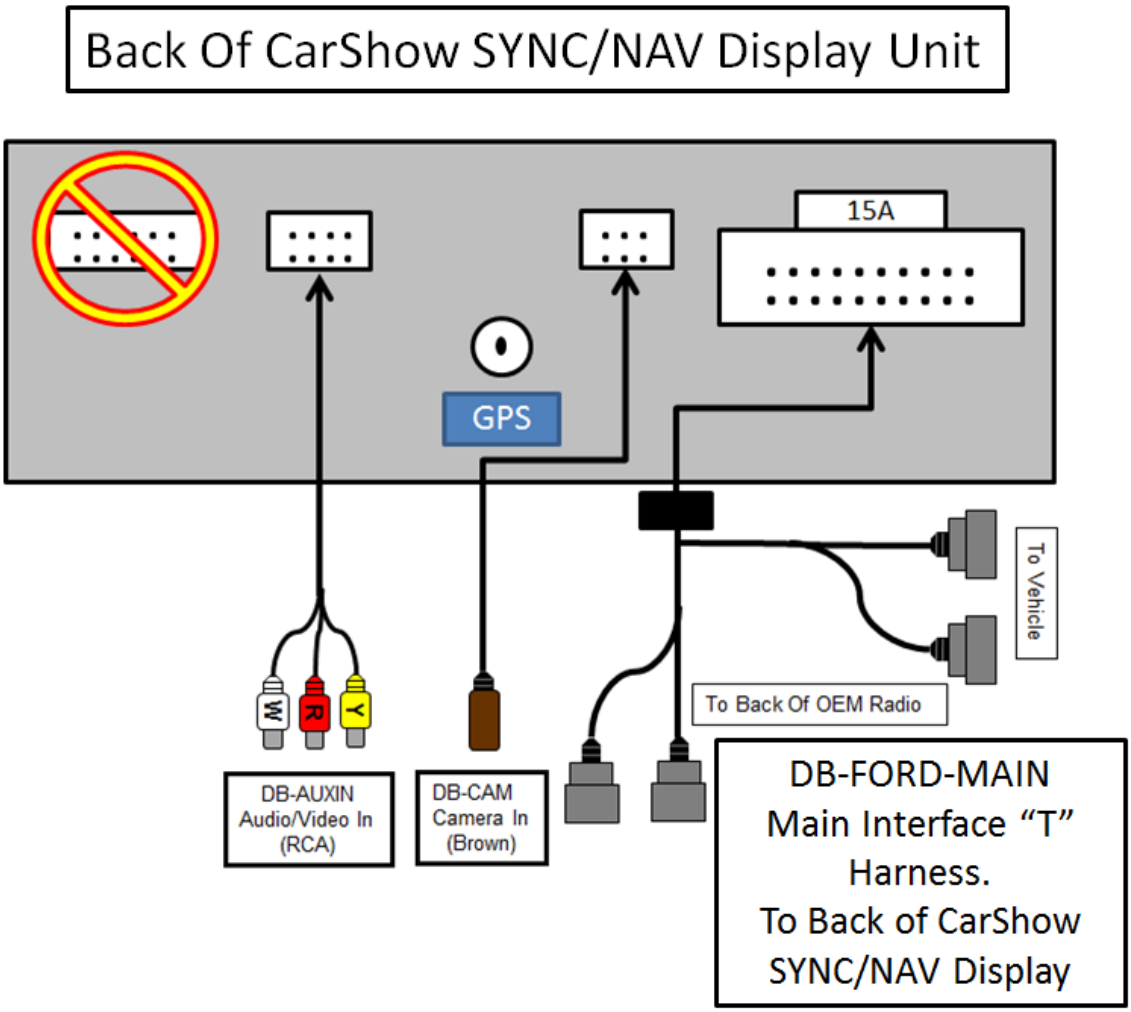
Select Reverse Camera Confirm the backup camera screen shows in reverse ***Troubleshooting*** 1) Confirm the Camera is set to ON in the Installer Settings 2) Confirm the Camera is receiving 12VDC as required		

Main Harness Diagram



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